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**TRANSMITTAL FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application No.	10/816,049	
	Filing Date	March 31, 2004	
	First Named Inventor	John W. Barrus	
	Art Unit		
	Examiner Name	To be assigned	
Total Number of Pages in This Submission	173	Attorney Docket Number	74451P161

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response  <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement  <input checked="" type="checkbox"/> PTO/SB/08  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Return Postcard (1); Copies of Cited Art (152)</div>
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Michael J. Mallie, Reg. No. 36,591 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	3/15/06

**CERTIFICATE OF MAILING/TRANSMISSION**

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Typed or printed name	Joyce Klein		
Signature		Date	3-15-06



# FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

## Complete if Known

Application Number	10/816,049
Filing Date	March 31, 2004
First Named Inventor	John W. Barrus
Examiner Name	To be assigned
Art Unit	
Attorney Docket No.	74451P161

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20. ☒ Credit any overpayments

## FEE CALCULATION

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051		2051		Surcharge - late filing fee or oath	
1052		2052		Surcharge - late provisional filing fee or cover sheet.	
2053		2053		Non-English specification	
1251		2251		Extension for reply within first month	
1252		2252		Extension for reply within second month	
1253		2253		Extension for reply within third month	
1254		2254		Extension for reply within fourth month	
1255		2255		Extension for reply within fifth month	
1401		2401		Notice of Appeal	
1402		2402		Filing a brief in support of an appeal	
1403		2403		Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1460		2460		Petitions to the Commissioner	
1807		1807		Processing fee under 37 CFR 1.17(q)	
1806		1806		Submission of Information Disclosure Stmt	
1809		1809		Filing a submission after final rejection (37 CFR § 1.129(a))	
1810		2810		For each additional invention to be examined (37 CFR § 1.129(b))	

Other fee (specify) \_\_\_\_\_

SUBTOTAL (2) (\$)

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Michael J. Mallie	Registration No. (Attorney/Agent)	36,591	Telephone	(408) 720-8300
Signature				Date	3/15/06



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of:

JOHN W. BARRUS

Application No.: 10/816,049

Filed: March 31, 2004

For: **Check Boxes for Identifying and  
Processing Stored Documents**

Art Group:

Examiner: To be assigned

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

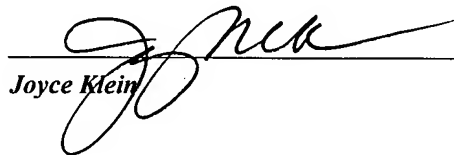


Michael J. Mallie, Reg. No. 36,591

Date: 3/15/06

12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (408) 720-8300

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Joyce Klein

3-15-06

Date

Substitute for Form 1449/PTO

## INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

(use as many sheets as necessary)

## Complete if Known

Application Number	10/816,049
Filing Date	March 31, 2004
First Named Inventor:	John W. Barrus
Art Unit	
Examiner Name	
Attorney Docket Number	074451.P161

of

15

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number – Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-2004/0090462 A1	05-13-2004	Graham
	A2	US-2003/0184598 A1	10-02-2003	Graham
	A3	US-2003/0163552 A1	08-28-2003	Savitzky et al.
	A4	US-6,369,811	04-09-2002	Graham et al.
	A5	US-6,332,147	12-18-2001	Moran et al.
	A6	US-6,262,724	07-17-2001	Crow et al.
	A7	US-6,182,090	01-30-2001	Peairs
	A8	US-6,101,503	08-08-2000	Cooper et al.
	A9	US-Re. 36,801	08-01-2000	Logan et al.
	A10	US-6,094,648	07-25-2000	Aalbersberg et al.
	A11	US-6,055,542	04-25-2000	Nielsen et al.
	A12	US-6,028,601	02-22-2000	Machiraju et al.
	A13	US-6,026,409	02-15-2000	Blumenthal
	A14	US-6,021,403	02-01-2000	Horvitz et al.
	A15	US-6,006,218	12-21-1999	Breese et al.
	A16	US-5,999,173	12-07-1999	Ubillos
	A17	US-5,990,934	11-23-1999	Nalwa
	A18	US-5,987,454	11-16-1999	Hobbs
	A19	US-5,986,692	11-16-1999	Logan et al.
	A20	US-5,986,655	11-16-1999	Chiu et al.
	A21	US-5,982,507	11-09-1999	Weiser et al.
	A22	US-5,978,477	11-02-1999	Hull et al.
	A23	US-5,950,187	09-07-1999	Tsuda
	A24	US-5,946,678	08-31-1999	Aalbersberg

Examiner  
Signature

Date Considered

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Substitute for Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/816,049
				Filing Date	March 31, 2004
				First Named Inventor:	John W. Barrus
				Art Unit	
Examiner Name					
Sheet	2	074451.P161	15	Attorney Docket Number	074451.P161

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number – Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A25	US-5,943,679	08-24-1999	Niles et al.
	A26	US-5,933,841	08-03-1999	Schumacher et al.
	A27	US-5,892,536	04-06-1999	Logan et al.
	A28	US-5,873,107	02-16-1999	Borovoy et al.
	A29	US-5,870,770	02-09-1999	Wolfe
	A30	US-5,860,074	01-12-1999	Rowe et al.
	A31	US-5,857,185	01-05-1999	Yamamura
	A32	US-5,838,317	11-17-1998	Bolnick et al.
	A33	US-5,832,474	11-03-1998	Lopresti et al.
	A34	US-5,819,301	10-06-1998	Rowe et al.
	A35	US-5,802,294	09-01-1998	Ludwig et al.
	A36	US-5,793,365	08-11-1998	Tang et al.
	A37	US-5,784,616	07-21-1998	Horvitz
	A38	US-5,781,785	07-14-1998	Rowe et al.
	A39	US-5,778,397	07-07-1998	Kupiec et al.
	A40	US-5,761,655	06-02-1998	Hoffman
	A41	US-5,760,767	06-02-1998	Shore et al.
	A42	US-5,751,283	05-12-1998	Smith
	A43	US-5,748,805	05-05-1998	Withgott et al.
	A44	US-5,737,599	04-07-1998	Rowe et al.
	A45	US-5,721,897	02-24-1998	Rubinstein et al.
	A46	US-5,717,879	02-10-1998	Moran et al.
	A47	US-5,694,559	12-02-1997	Hobson et al.
	A48	US-5,686,957	11-11-1997	Baker

Examiner Signature		Date Considered	
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Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number – Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A49	US-5,680,636	10-21-1997	Levine et al.
	A50	US-5,638,543	06-10-1997	Pedersen et al.
	A51	US-5,596,700	01-21-1997	Damell et al.
	A52	US-5,481,666	01-02-1996	Nguyen et al.
	A53	US-5,479,600	12-26-1995	Wroblewski et al.
	A54	US-5,422,795	08-15-1995	Levine et al.
	A55	US-5,418,948	05-23-1995	Turtle
	A56	US-5,404,295	04-04-1995	Katz et al.
	A57	US-5,384,703	01-24-1995	Withgott et al.
	A58	US-5,349,658	09-20-1994	O'Rourke et al.
	A59	US-5,309,359	05-03-1994	Katz et al.
	A60	US-5,153,831	10-06-1992	Yianitos
	A61	US-4,823,303	04-18-1989	Terasawa
	A62	US-4,417,239	11-22-1983	Demke et al.

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> – Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
	B1	JP 8-297677 A	11-12-1996	Xerox Corporation	
	B2	GB 2 290 898 A	01-10-1996	Canon Business Machines, Inc.	
	B3	GB 2 234 609 A	02-06-1991	IBM Corporation	
	B4	GB 2 156 118 A	10-02-1985	Canon Kabushiki Kaisha	
	B5	GB 2 137 788 A	10-10-1984	Gavilan Computer Corporation	

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	B6	EP 1 001 605 A3	05-17-2000	Xerox Corporation	
	B7	EP 802 492 A1	10-22-1997	IBM Corporation	
	B8	EP 762 297 A2	03-12-1997	Sun Microsystems	
	B9	EP 737 927 A2	10-16-1996	Xerox Corporation	
	B10	EP 459 174 A2	12-04-1991	Cina	
	B11	EP 378 848 A2	07-05-1990	IBM Corporation	

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>6</sup>
	C1	ABDEL-MOTTALEB, M. et al., "Face Detection in Complex Environments From Color Images," IEEE ICIP 622-626, 1999.			
	C2	Acrobat Reader Version 2.0 (software application), Adobe Systems Incorporated, screenshots Figures 1-10 (1994).			
	C3	Adobe Acrobat Reader 3.0 screen dumps (fig. 1-3), 1996.			
	C4	Adobe Premiere (video editing software) from <a href="http://www.adobe.com">http://www.adobe.com</a> (2002)			
	C5	Adobe Systems, Inc., "Adobe Photoshop 4.0 User Guide for Macintosh and Windows," 1996, Title Page, Copyright Page, Chap. 2, pp. 30-31.			
	C6	Apple Macintosh system 7 reference manual, pages 30-31 (1991)			
	C7	ARONS, B. "SpeechSkimmer: A System for Interactively Skimming Recorded Speech," ACM Transactions on Computer-Human Interaction 4(1):3-38.			
	C8	BALL, THOMAS et al., "Software Visualization in the Large," IEEE Computer, Vol. 29, No. 4, April 1996, pp. 33-43, <a href="http://www.computer.org/computer/co1996/r4033abs.htm">http://www.computer.org/computer/co1996/r4033abs.htm</a> .			
	C9	BEGOLE et al., "Flexible Collaboration Transparency," doc. ID: ncstri.vatach_cs/TR-98-11, Virginia Polytechnic Institute and State University, 1998.			

Examiner Signature		Date Considered	
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Sheet	5	074451.P161	15	Attorney Docket Number	074451.P161

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If known)				
		US-	2003/0088582 A1	05-08-2003	Pflug	
		US-	5,764,368	06-09-1998	Shibaki et al.	
		US-	5,438,426	08-01-1995	Miake et al.	
		US-	2002/0097426 A1	07-25-2002	Gusmano, et al.	
		US-	5,754,308	05-18-1998	Lopresti, et al.	
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		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
	B12	WO	99/18523	04-15-1999	Caere Corporation	

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				Filing Date	March 31, 2004
				First Named Inventor:	John W. Barrus
				Art Unit	
				Examiner Name	
Sheet	6	074451.P161	15	Attorney Docket Number	074451.P161
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	C10	BEGOLE et al. "Flexible Collaboration Transparency: Supporting Worker Independence In Replicated Application-Sharing Systems," ACM Transactions On Computer-Human Interaction, June 1999, pp. 95-132, Vol. 6, No. 2.	
	C11	BEGOLE et al., "Supporting Worker Independence in Collaboration Transparency," ACM 0-58113-034-1/98/11; Virginia Polytechnic Institute and State University, pp. 133-142, 1998.	
	C12	BEGOLE et al., "Supporting Worker Independence In Collaboration Transparency," technical report from the Computer Science Department of Virginia Tech, doc. ID: ncstrl.vatech_cs/TR-98-12.	
	C13	BOBICK et al., "A State Based Approach to the Representation and Recognition of Gesture," IEEE Trans. On Pattern Analysis and Machine Intelligence, pp. 1325-1337, 1997.	
	C14	BOGURAEV et al., "Salience-Based Content Characterization Of Text Documents," ACL/EACL'97. Intelligent Scalable Text Summarization Workshop Program, July 11, 1997, 14 pages.	
	C15	BOGURAEV et al., "Salience-based Content Characterization of Text Documents," in Proceedings of Workshop on Intelligent Scalable Text Summarization at the ACL/EACL Conference, Madrid, Spain, 12 pages, July 7-12, 1997.	
	C16	BORECZKY, J. et al., "An Interactive Comic Book Presentation for Exploring Video," Conference on Human Factors in Computing Systems (CHI 2000), ACM Press, pp. 185-192, 2000.	
	C17	BOYKIN et al., "Improving Broadcast News Segmentation Processing," IEEE Multimedia '99, 1999.	
	C18	BOYKIN et al., "Machine Learning of Event Segmentation for News on Demand," Communications of the ACM, 43:35-41, 2000.	
	C19	BRANDOW et al., "Automatic Condensation of Electronic Publications by Sentence Selection," Information Processing and Management, 31(5):875-685, 1995.	
	C20	BROWN et al., "Automatic Content-Based Retrieval of Broadcast News," ACM Multimedia 5, San Francisco, CA, 1995.	
	C21	BYRD, D., "A Scrollbar-based visualization for Document Navigation," doc. ID:xxx.cs.IR/9902028, Computing Research Repository: Information Retrieval, 1999.	
	C22	"c:\...9149920c.wpd – unmodified" Screen Shots of document created in Corel WordPerfect, 4 pages (April 30, 2002)	

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	C23	CHEN et al., "Emotion Recognition from Audiovisual Information," Proc. IEEE Workshop on Multimedia Signal Processing, Los Angeles, CA, USA, pp. 83-88, 1998.		
	C24	CHEN et al., "ViBE: A Video Indexing and Browsing Environment," Proceedings of the SPIE Conference on Multimedia Storage and Archiving Systems, September 20-22, 1999, Boston 3846:148-164, 1999.		
	C25	CHIU et al., "NoteLook: Taking Notes in Meetings with Digital Video and Ink," ACM Multimedia 99 Orlando, 1999.		
	C26	CHIU et al., "Automatically Linking Multimedia Meeting Documents by Image Matching," Proceedings of Hypertext '00, ACM, New York, pp. 244-245, 2000.		
	C27	CHRISTEL et al., "Evolving Video Skims into Useful Multimedia Abstractions," Proceedings of the CHI '98 Conference on Human Factors in Computing Systems, pp. 171-178 Los Angeles, CA, April 1998.		
	C28	CHRISTEL et al., "Information Visualization Within a Digital Video Library," Journal of Intelligent Information Systems, 11:35-257, 1998.		
	C29	DELLAERT et al., "Recognizing Emotion in Speech," Proceedings ICSLP 96, Fourth International Conference on Spoken Language Processing New York, IEEE Vol. 1970-1973, Cat. No. 96TH8206), 1996.		
	C30	DIMITROVA et al., "Video Keyframe Extraction and Filtering: A Keyframe is not a Keyframe to Everyone," CIKM 1997:113-120, 1997.		
	C31	DIVAKARAN, A. et al., "Video Browsing System Based on Compressed Domain Feature Extraction," IEEE Transactions on Consumer Electronics 46:637-644.		
	C32	DOERMANN et al., "Applying Algebraic and Differential Invariants for Logo Recognition," Machine Vision and Applications 9:73-86, 1996.		
	C33	DONATO et al., "Classifying Facial Actions," IEEE Trans. on Pattern Analysis and Machine Intelligence, 21:974-989, 1999.		
	C34	DORAI, C. et al., "Perceived Visual Motion Descriptors from MPEG-2 for content-based HDTV annotation and retrieval," IEEE 3 <sup>rd</sup> Workshop on Multimedia Signal Processing, 147-152.		
	C35	DRUCKER et al., "SmartSkip: Consumer Level Browsing and Skipping of Digital Video Content," Paper: Technology to Help People Find Information, Vol. No. 4, Issue No. 1, pp. 219-226, Minneapolis, Minnesota, USA, April 20-25, 2002.		

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	C36	EROL, B. et al., "Local Motion Descriptors," IEEE Workshop on Multimedia Signal Processing, 467-472, 2001.			
	C37	ESSA et al., "Coding Analysis Interpretation and Recognition of Facial Expressions," IEEE Trans. on Pattern Analysis and Machine Intelligence, 19:757-763, 1997.			
	C38	"Facelt Face Recognition Technology Frequently Asked Technical Questions," Visionics Corporation, 36 pages.			
	C39	"Flexible JAMM Screenshots," downloaded from internet site <a href="http://simon.cs.ct.edu/jamm">http://simon.cs.ct.edu/jamm</a> 5/4/00.			
	C40	FOOTE, J. et al., "An Intelligent Media Browser Using Automatic Multimodal Analysis," ACM Multimedia '98, ACM Press, Pages 375-380, Bristol, UK, 1998.			
	C41	FOOTE, J. et al., "Finding Presentations in Recorded Meeting Using Audio and Video Features," ICASPP, 3029-3032, 1999.			
	C42	FOOTE, J. et al., "FlyCam: Practical Panoramic Video and Automatic Camera Control," Proceedings of International Conference on Multimedia & Expo, 3:1419-1422, 2000.			
	C43	FURUI et al., "Japanese Broadcast News Transaction and Information Extraction," Communications of the ACM, 43(2):71-73, Feb. 2000.			
	C44	GAUVAIN et al., "Transcribing Broadcast News for Audio and Video Indexing," Communications of the ACM, 43:64-70, 2000.			
	C45	GIBBON, David C., "Generating Hypermedia Documents from Transcriptions of Television Programs Using Parallel Text Alignment," Handbook of Internet and Multimedia Systems and Applications, CRC Press, 1998.			
	C46	GLANCE, NATALIE et al., "Knowledge Pump: Community-Centered Collaborative Filtering," Xerox Research Centre Europe, Grenoble Laboratory, October 27, 1997, pp. 1-5.			
	C47	GLIEDMAN, J., "Virtual Office Managers," Computer Shopper, 18(9):290, 1998.			
	C48	GORDON, "Using Annotated Video as in Information Retrieval Interface," ACM Proceedings of the 5 <sup>th</sup> International Conference on Intelligent User Interfaces, New Orleans, pp. 133-140, 2000.			
	C49	GRASSO, ANTONIETTA et al., "Supporting Informal Communication Across Local and Distributed Communities," Xerox Research Centre Europe, Grenoble, France, 8 pages.			

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	C50	GREENBERG, Saul, "A Fisheye Text Editor For Relaxed-WYSIWIS Groupware," ACM SIGCHI'96 Conference on Human Factors in Computing System, Companion Proceedings, 1996, pp. 212-213.	
	C51	GREENBERG, et al., "Sharing Fisheye Views in Relaxed-WYSIWIS Groupware Applications," Proceedings of Graphics Interface, Toronto, Canada, May 22-24, 1995, Distributed by Morgan-Kaufmann, pp. 28-38, <a href="http://www.cpsu.ucalgary.ca/grouplab/papers/1996/96-Fisheye.GI/gi96fisheye.html">http://www.cpsu.ucalgary.ca/grouplab/papers/1996/96-Fisheye.GI/gi96fisheye.html</a> .	
	C52	GROSS, R. et al., "Face Recognition in a Meeting Room," IEEE International Conference on Automatic Face and Gesture Recognition, 294-299.	
	C53	GROSS, R. et al., "Towards a Multimodal Meeting Record," Proceedings of International Conference on Multimedia and Expo, 1593-1596.	
	C54	HAUPTMANN et al., "Story Segmentation and Detection of Commercials in Broadcast News Video," Advances in Digital Libraries Conference, Santa Barbara, CA April 22-23, 1998.	
	C55	HAUPTMANN et al., "Text, Speech and Vision for Video Segmentation: the Informedia Project," Proc. AAAI Fall Symp. Computational Models for Integrating Language and Vision, Boston, MA, Nov. 10-12, 1995.	
	C56	HE et al., "Comparing Presentation Summaries: Slides vs. Reading vs. Listening," Conference on Human Factors in Computing Systems (CHI 2000), April 1-6, 2000.	
	C57	HEARST et al., "TileBars: Visualization of Term Distribution Information in Full Text Information Access," Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI), Denver, CO., pp/ 1-8, May 1995, <a href="http://www.acm.org/sigchi/chi95/Electronic/documents/papers/mah_bdy.htm">http://www.acm.org/sigchi/chi95/Electronic/documents/papers/mah_bdy.htm</a> .	
	C58	HECHT, "Embedded Data Glyph Technology for Hardcopy Digital Documents," Proc. SPIE 2171:341-352, 1994.	
	C59	HECHT, "Printed Embedded Data Graphical User Interfaces," IEEE Computer, March 2001.	
	C60	HILL et al., "Edit Wear and Read Wear," Computer Graphics and Interactive Media Research Group, pp. 3-9, May 1992.	
	C61	HSU, R.L., et al., "Face Detection in Color Images," Proc. International Conference on Image Processing, 1046-1049, 2001.	

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	C62	HU et al., "Multimedia Description Framework (MDF) for Content Descriptions of Audio/Video Documents," Fourth ACM Conference on Digital Libraries (DL '99), August 11-14, 1999.			
	C63	IBM Technical Disclosure Bulletin, "Quick Selection of Window Environment Coordinates," 35:57-60, ISS # 4B, 1992.			
	C64	IOFFE et al., "Finding People by Sampling," Proc. International Conference on Computer Vision, pp. 1092-1097, 1999.			
	C65	JANG et al., "Improving Acoustic Models With Captioned Multimedia Speech," IEEE, 1999, pp. 767-771.			
	C66	JIN et al., "Topic Tracking for Radio, TV Broadcast, and Newswire," Proceedings of the DARPA Broadcast News Workshop, Feb. 28-Mar. 3, 1999, Hemdon, VA.			
	C67	JOHNSON, S.E., "Who Spoke When? – Automatic Segmentation and Clustering for Determining Speaker Turns," Proc. Of Eurospeech, 679-682, 1999.			
	C68	KAPRALOS, B. et al., "Eyes 'n Ears Face Detection," 2001 International Conference on Image Processing, 1:65-69, 2001			
	C69	KIMBER, D. et al., "Acoustic Segmentation for Audio Browsers," Proc. Interface Conference, Sydney, Australia, 10 pages, 1996.			
	C70	KOMLODI et al., "Key Frame Preview Techniques for Video Browsing," Proceedings of the 3 <sup>rd</sup> ACM International Conference on Digital Libraries, June 23-26, 1998, Pittsburgh, pp. 118-125, 1998.			
	C71	LAM et al., "Automatic Document Classification Based on Probabilistic Reasoning: Model and Performance Analysis," IEEE, 3:2719-2723, 1997.			
	C72	LANGLEY, P., "An Analysis of Bayesian Classifiers," Proceedings of 10 <sup>th</sup> National Conference on Artificial Intelligence, pp. 223-228, 1992.			
	C73	LANGLEY, P., "Induction of Selective Bayesian Classifiers," Proceedings of 10 <sup>th</sup> National Conference on Uncertainty in Artificial Intelligence, pp. 400-406, 1994.			
	C74	LEE, D. et al., "Segmenting People in Meeting Videos Using Mixture Background and Object Models," Proc. Of Pacific Rim Conference on Multimedia, Taiwan, Dec. 16-18, 8 pages, 2002.			
	C75	LI et al., "Automatic Text Detection and Tracking in Digital Video," IEEE Transactions on Image Processing – Special Issue on Image and Video Processing for Digital Libraries, 9:147-156, 2000.			

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	C77	LI et al., "Text Extraction, Enhancement and OCR in Digital Video," DAS '98, LNCS 1655, pp. 363-377, Springer-Verlag Berlin Heidelberg 1999.		
	C78	LI et al., "VISION: A Digital Video Library," Proceedings of the 1 <sup>st</sup> ACM International Conference on Digital Libraries, pp. 19-27, 1996.		
	C79	LIANG et al., "Practical Video Indexing and Retrieval System," SPIE 3240:294-303, 1988.		
	C80	LIENHART et al., "On the Detection and Recognition of Television Commercials," Proc. IEEE Conf. On Multimedia Computing and Systems, Ottawa, Canada, pp. 509-516, June 1997.		
	C81	MA et al., "An Indexing and Browsing System for Home Video," Invited paper, EUSIPCO '2000, 10 <sup>th</sup> European Signal Processing Conference, 5-8, Sept. 2000, Tampere, Finland.		
	C82	MANBER, U., "The Use of Customized Emphasis in Text Visualization," Proceedings of 1997 IEEE Conf. On Information Visualization, pp. 132-138, Aug. 27-29, 1997, London, England.		
	C83	MAYBURY, "News on Demand," Communications of the ACM, 43:33-34, 2000.		
	C84	MAYBURY et al., "Multimedia Summaries of Broadcast News," International Conference on Intelligent Information Systems, 1997, pp. 442-449.		
	C85	MAYBURY, M. et al., "Segmentation, Content Extraction and Visualization of Broadcast News Video Using Multistream Analysis," AAAI Paper, 1997.		
	C86	MERIALDO et al., "Automatic Construction of Personalized TV News Programs," Seventh ACM International Multimedia Conference, Orlando, November 1999.		
	C87	MERLINO et al., "Broadcast News Navigation Using Story Segmentation," Advanced Information Systems Center, The MITRE Corporation, 1997.		
	C88	MERLINO et al., "Broadcast News Processing Techniques," MITRE Technical Report, MTR 99B0000031, April, 1999.		
	C89	MOHAN, "Text-Based Search of TV News Stories," Proc. SPIE 2916:2-13, 1996.		
	C90	MYERS, B.A. et al., "Multi-View Intelligent Editor for Digital Video Libraries," First ACM and IEEE Joint Conference on Digital Libraries, pp. 106-115, June 24-28, 2001, Roanoke, VA.		
	C91	OH et al., "Efficient and Cost-Effective Techniques for Browsing and Indexing Large Video Databases," SIGMOD Conference 2000: 415-426.		

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				Filing Date	March 31, 2004
				First Named Inventor:	John W. Barrus
				Art Unit	
				Examiner Name	
Sheet	12	074451.P161	15	Attorney Docket Number	074451.P161
<b>NON PATENT LITERATURE DOCUMENTS</b>					

<b>OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	C92	PFAU, T. et al., "Multispeaker Speech Activity Detection for the ICSI Meeting Recorder," Proc. IEEE Automatic Speech Recognition and Understanding Workshop, 4 Pages, 2001.	
	C93	PINGALI, G. et al., "Multimedia Retrieval Through Spatio-Temporal Activity Maps," ACM Multimedia 129-136, 2001.	
	C94	RIST, T. et al., "Adding Animated Presentation Agents to the Interface," ACM International Conference on Intelligent User Interfaces, Pages 79-86, 1997.	
	C95	ROWLEY et al., "Neural Network-Based Face Detection," IEEE Transactions on Pattern Analysis and Machine Intelligence, 20:23-38, 1998.	
	C96	RUI, Y. et al., "Viewing Meetings Captured by an Omni-Directional Camera," ACM SIGCHI '01, Vol. 3, No. 1, Pages 450-457, Seattle, March 31-April 4, 2001.	
	C97	SCHWEIGHOFER et al., "The Automatic Generation of Hypertext Links in Legal Documents," Lecture Notes in Computer Science, vol. 1134, Wagner et al., eds., from 7 <sup>th</sup> Int. Conf., DEXA '96, September, 1996, Zurich, Switzerland.	
	C98	SHAHRARAY et al., "Automatic Generation of Pictorial Transcripts of Video Programs," Proceedings of the SPIE – Int. Soc. Opt. Eng. 2417:512-518, 1995.	
	C99	SHAHRARAY et al., "Pictorial Transcripts: Multimedia Processing Applied to Digital Library Creation," 1997 IEEE First Workshop on Multimedia Signal Processing, pp. 581-586, 1997.	
	C100	SHAHRARAY et al., "Automated Authoring of Hypermedia Documents of Video Programs," ACM Multimedia 95, San Francisco, CA, November 5-9, 1995.	
	C101	SMITH et al., "Video Skimming and Characterization Through the Combination of Image and Language Understanding," Computer Vision and Pattern Recognition IEEE 1997.	
	C102	SNOWDON, DAVE et al., "Diffusing Information in Organizational Settings: Learning from Experience," CHI 2002, Volume No. 4, Issue No. 1, April 20-25, Minneapolis, Minnesota, pp. 331-338.	
	C103	SODERGARD et al., "Integrated Multimedia Publishing – Combining TV and Newspaper Content on Personal Channels," downloaded from <a href="http://www8.org/w8-papers/1b-multimedia/integrated/integrated.html">http://www8.org/w8-papers/1b-multimedia/integrated/integrated.html</a> on 4/4/02, Pages 1-22.	
	C104	SONMEZ et al., "Multiple Speaker Tracking and Detection: Handset Normalization and Duration Scoring," Digital Signal Processing 10:133-143, 2000.	

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	C105	STAUFFER, C. et al., "Adaptive Background Mixture Models for Real-Time Tracking," Proceedings of Computer Vision and Pattern Recognition, 246-252.			
	C106	SUDA et al., "Logo and Word Matching Using a General Approach to Signal Registration," Fourth International Conference on Document Analysis and Recognition, Ulm, Germany, August 18-20, 1997, 61-65.			
	C107	SUMITA et al., "Document Structure Extraction for Interactive Document Retrieval Systems," Proceedings of SIGDOC 93, pp. 301-310, Oct. 5-8, 1993, Kitchner, Ontario.			
	C108	SUN, X. et al., "A Motion Activity Descriptor and its Extraction in Compressed Domain," Proc. IEEE Pacific-Rim Conference on Multimedia (PCM '01), 4 Pages, 2001.			
	C109	SUN, X. et al., "Panoramic Video Capturing and Compressed Domain Virtual Camera Control," ACM Multimedia, Pages 329-338, 2001.			
	C110	TAGHVA et al., "An Evaluation Of An Automatic Markup System," SPIE Proceedings, February 6-7 1995, pp. 317-327, Volume 2422.			
	C111	TAGHVA et al., "Evaluation of an Automatic Markup System," Proceedings SPIE Vol. 2422, Document Recognition II, p. 317-327, March 1995.			
	C112	TAXT, T., "Segmentation of Document Images," IEEE, 11(12):1322-1329 (1989).			
	C113	TENNENHOUSE et al., "A Software-Oriented Approach to the Design of Media Processing Environments," Proceedings of the IEEE International Conference on Multimedia Computing and Systems, pp. 435-444, 1994.			
	C114	TONOMURA et al., "VideoMAP and VideoSpaceIcon: Tools for Anatomizing Video Content," Proc. INTERCHI '93, ACM, pp. 131-136, 1993.			
	C115	TRITSCHLER, A. et al., "Improved Speaker Segmentation and Segments Clustering Using the Bayesian Information Criterion," Proc. Of Eurospeech, Pages 679-682, 1999.			
	C116	UCHIHASHI et al., "Summarizing Video Using a Shot Importance Measure and a Frame-Packing Algorithm," Proceedings of the International Conference on Acoustics, Speech, and Signal Processing, Phoenix, AZ, 6:3041-3044, 1999.			
	C117	UCHIHASHI et al., "Video Manga: Generating Semantically Meaningful Video Summaries," ACM Multimedia 99, Orlando, Florida, October 30-November 5, 1999.			

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	C118	VideoLogger, Automate Video Acquisition And Production, Virage, Inc., [online] [Retrieved on April 26, 2002] Retrieved from the Internet<URL: <a href="http://www.virage.com/products/details.cfm?productID=5&amp;categoryID=1">http://www.virage.com/products/details.cfm?productID=5&amp;categoryID=1</a> >	
	C119	"Video Mail Retrieval Using Voice" Cambridge University Engineering Department Computer Laboratory and Olivetti Research Laboratory summary of research found at <a href="http://svr-www.eng.cam.ac.uk/research/projects/vmr/">http://svr-www.eng.cam.ac.uk/research/projects/vmr/</a> (1997)	
	C120	WACTLAR et al., "Complementary Video and Audio Analysis for Broadcast News Archives," Communications of the ACM, 43:42-47, 2000.	
	C121	WACTLER et al., "Intelligent Access to Digital Video: Informedia Project," Computer 29:46-52, 1996.	
	C122	WAIBEL, A. et al., "Advances in Automatic Meeting Record Creation and Access," Proceedings of the International Conference on Acoustics, Speech, and Signal Processing, Pages 597-600, 2001.	
	C123	WEISS et al., "Composition and Search with a Video Algebra," IEEE Multimedia 2:12-25, 1995.	
	C124	WILCOX, L. et al., "Annotation and Segmentation for Multimedia Indexing and Retrieval," Proceedings of the Thirty-First annual Hawaii International Conference on System Sciences (Wailea, Hawaii), Volume II, Pages 259-267, January 1998.	
	C125	WITTENBURG et al., Browsing with Dynamic Key Frame Collages in Web-Based Entertainment Video Services," In Proceedings of IEEE International Conference on Multimedia Computing and Systems, June 7-11, 1999, Florence, Italy, 2:913-918, 1999.	
	C126	YANG, J. et al., "Multimodal People ID for a Multimedia Meeting Browser," Proceedings of ACM Multimedia, Pages 159-168, 1999.	
	C127	YANG, M.H. et al., "Detecting Faces in Image: A Survey," IEEE Transactions on Pattern Analysis and Machine Intelligence, 24(1):34-58, 2002.	
	C128	ZHANG et al., "Detection of Text Captions in Compressed Domain Video," International Multimedia Conference Proceedings of the 2000 ACM Workshops on Multimedia 2000, Los Angeles, CA, pp. 201-204.	

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	C129	DAMIANI, E. et al., "A Fine-Grained Access Control System for XML Documents," ACM Transactions on Information and System Security, May 2002, pp. 169-202, Vol. 5, No. 2.			
	C130	European Search Report, EP 05008745, June 6, 2005, 4 pages.			
	C131	GRASSO, A. et al., "Augmenting Recommender Systems By Embedding Interfaces Into Practices," Proceedings of the 33 <sup>rd</sup> Hawaii International Conference on System Sciences 2000 IEEE, pp. 1-9.			
	C132	HOADLEY, C. , "A Very Short Introduction to UNIX," The Metropolitan State College of Denver/Information Technology Center for Technology Services, April 30, 2002, pp. 1-18.			
	C133	KHARE, R., "Anatomy Of A URL (and Other Internet-Scale Namespaces, Part 1)," IEEE Internet Computing, September-October, 1999, pp. 78-81.			
	C134	SHEN, H. et al., "Access Control For Collaborative Environments," CSCW 92 Proceedings, November 1992, pgs. 51-58.			
	C135	SLOMAN, M., "Policy Driven Management For Distributed Systems," To be published in Journal of Network and Systems Management, Plenum Press, 1994, Vol. 2, No. 4.			
	C136	"Flowport, Effective Document Management," brochure, 2 pages total.			
	C137	"Flowport, Paper that knows where it's going," specification sheet, 1 page total.			
	C138	< <a href="http://www.zdnet.com.au/printfriendly?AT=2000023555-20270277-4">http://www.zdnet.com.au/printfriendly?AT=2000023555-20270277-4</a> >, "Captured! Three document capture systems tested, November 28, 2002," visited on April 29, 2003, 8 pages total.			
	C139	Xerox FlowPort Software, Solutions for the Legal Market from Xerox, 2001 XEROX Corporation, 2 pages total.			
	C140	"FlowPort™ Xerox Image Routing Software FlowPort Overview," 2003, 4 pages total.			

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